TEKNOWASH SHAMPOO SYSTEM

TEKNOWASH BASIC - S - SOUND - PLUS

USER MANUAL

Carefully read the instructions outlined in this handbook
before operating the shampoo system

GAMMA & BROSS
Via Ceratelli, 2
46043 Castiglione delle Stiviere (MANTOVA) - ITALIA

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CHAPTER 1
OVERVIEW AND MAIN FEATURES

1.1 INTRODUCTION
This handbook contains the instructions for the installation, knowledge, correct use and planned maintenance of the **TEKNOWASH SHAMPOO SYSTEM**, manufactured by **GAMMA & BROSS** SpA in Castiglione delle Stiviere (Mantova) – Italy.
The end-user can find in this handbook all the information concerning the safe use and good maintenance of the **TEKNOWASH.**

This handbook is an integral part of the product and must be carefully safeguarded to ensure the possibility to consult it over the life span of the equipment. Extra copies of this instructions handbook are available on request from:

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The safety of the operator, regular functioning, running costs and duration of the **TEKNOWASH** depend on the observation of the instructions described in this handbook. It is mandatory to follow the instructions described in this booklet.

GAMMA & BROSS declines any and all responsibility for direct or indirect damages caused to people, animals or things provoked by negligence or disregard of the use instructions.

1.2 WARRANTY

GAMMA & BROSS warranties the **TEKNOWASH** and its accessories for a period of 12 months from the date of purchase. This warranty covers repairs or replacement parts, free of charge, that have resulted as defected following a careful inspection by the Manufacturer's Technical Service, excluding electrical parts. The warranty is limited to material defects and becomes null and void should the parts result as having been manipulated or disassembled by unauthorized personnel. The warranty does not cover responsibility for direct or indirect damages to people, animals or things provoked by breakdown or malfunctioning of the machine. The costs for transport, IVA and any other costs that are not contained in the supply contract are the buyer's responsibility. The replacement or repair of materials under warranty does not in any case extend the terms of that same warranty. The buyer can claim his rights covered by the warranty only if he has respected the conditions of the warranty, and those described in the supply contract. If the counter parties do not intend to undergo judicial arbitration for the resolution of any controversies resulting from a supply contract, or in the case that a decision is requested by an ordinary Court, the Court of Mantova is the competent judicial body.

1.3 WARRANTY EXCLUSIONS

At the moment of delivery, it is necessary to verify that the equipment was not damaged during transport and that the provided accessories are integral and complete. Possible claims must be presented within 8 days of the delivery date of the **TEKNOWASH.** In addition to the cases described in the supply contract, **the warranty becomes null and void:**

- When an error in usage can be attributed to an operator.
- When the instructions described in the instructions booklet are not fully respected.
- When the **TEKNOWASH** has undergone modifications following repair interventions executed by third parties without the consent of **GAMMA & BROSS.**

1.4 PRODUCT OVERVIEW

Il **TEKNOWASH** is manufactured in four models: TEKNOWASH BASIC, TEKNOWASH S, TEKNOWASH SOUND, TEKNOWASH PLUS.

TEKNOWASH BASIC:
this model consists of a painted fibreglass body work, a chair in polyurethane foam covered with a vinyl upholstery, with a vitreous china sink.
It is equipped with a system that permits the positioning of the sink at the nape of the client's neck through a tilting movement and an adjustable forward and backward sliding movement.

TEKNOWASH S:
this model consists of a painted fibreglass body work, a chair in polyurethane foam covered with a vinyl upholstery, with a vitreous china sink.
It is equipped with a system that permits the positioning of the sink at the nape of the client's neck through a tilting movement and an adjustable forward and backward sliding movement.
The Teknowash is manufactured on a robust zinc-coated tropicalized steel frame, which provides the structure with the strength to carry the total weight necessary. In addition, this model is equipped with mechanical devices that are able to raise the seat and leg rest, recline the backrest, and place the client in an excellent position for relaxation.
A massaging air mat is placed inside the chair, which provides a delicate pneumatic massage for the entire length of the legs and back.
By means of the AIR-SHIATSU system it is possible to choose the sequential massage mode or the random one. Moreover, it is possible to adjust the massage intensity level

TEKNOWASH SOUND:
this model consists of a painted fibreglass body work, a chair in polyurethane foam covered with a vinyl upholstery, with a vitreous china sink.
It is equipped with a system that permits the positioning of the sink at the nape of the client's neck through a tilting movement and an adjustable forward and backward sliding movement.
The Teknowash is manufactured on a robust zinc-coated tropicalized steel frame, which provides the structure with the strength to carry the total weight necessary. In addition, this model is equipped with mechanical devices that are able to raise the seat and leg rest, recline the backrest, and place the client in an excellent position for relaxation.
A massaging air mat is placed inside the chair, which provides a delicate pneumatic massage for the entire length of the legs and back.
By means of the AIR-SHIATSU system it is possible to choose the sequential massage mode or the random one. Moreover, it is possible to adjust the massage intensity level.
The shampoo unit is equipped with a stereo sound system, with built-in amplifier and loudspeakers. Gamma & Bross S.p.A. provides the sound system with an IPOD SHUFFLE ® device, but is it possible to use any other MP3 player.
A clear plastic canopy gently closes the user off the outer environment, helping relaxation and music enjoyment.

TEKNOWASH PLUS:
this model consists of a painted fibreglass body work, a chair in polyurethane foam covered with a vinyl upholstery, with a vitreous china sink.
It is equipped with a system that permits the positioning of the sink at the nape of the client's neck through a tilting movement and an adjustable forward and backward sliding movement.
The Teknowash is manufactured on a robust zinc-coated tropicalized steel frame, which provides the structure with the strength to carry the total weight necessary. In addition, this model is equipped with mechanical devices that are able to raise the seat and leg rest, recline the backrest, and place the client in an excellent position for relaxation.
A massaging air mat is placed inside the chair, which provides a delicate pneumatic massage for the entire length of the legs and back.
By means of the AIR-SHIATSU system it is possible to choose the sequential massage mode or the random one. Moreover, it is possible to adjust the massage intensity level.

The shampoo unit is equipped with a stereo sound system, with built-in amplifier and loudspeakers. Gamma & Bross S.p.A. provides the sound system with an IPOD SHUFFLE ® device, but is it possible to use any other MP3 player.
A double-shell plastic canopy gently closes the user off the outer environment, helping relaxation and music enjoyment. Moreover, the canopy is enlighten with a LED RGB light system that gives pleasant visual sensations trough a chromotherapy program. The LED RGB light system is managed with a remote control that creates graduates shading and mixes fading polychrome effects.

1.5 TECHNICAL DATA

Chart N° 1.

TEKNOWASH BASIC	Unit of measurement	
Net weight	kg	90
Height:	mm	1065
Lenght:	mm	1310
Width:	mm	720
3 bar water capacity	liters	9 per minute
Operating pressure	Bar	Min.0,5 / max 10
Package dimensions	cm	90x140x128h
Gross weight	Kg	216

Chart N° 2.

TEKNOWASH S	Unità di misura	
Net weight	kg	90
Height:	mm	1065
Lenght:	mm	1310/1770
Width:	mm	720
Installed electric power:	W	160
Electrical supply tension/frequency:	V / Hz	220/230 - 50
3 bar water capacity	litri	9 per minute
Operating pressure	Bar	Min.0,5 / max 10
Package dimensions	cm	90x140x128h
Gross weight	Kg	216

Chart N° 3.

TEKNOWASH SOUND	Unità di misura	
Net weight	kg	90
Height:	mm	1400
Lenght:	mm	1310/1770
Width:	mm	72
Installed electric power:	W	240
Electrical supply tension/frequency:	V / Hz	220/230 - 50
3 bar water capacity	litri	9 per minute
Operating pressure	Bar	Min.0,5 / max 10
Package dimensions	cm	90x140x128h
Gross weight	Kg	216

Chart N° 4.

TEKNOWASH PLUS	Unità di misura	
Net weight	kg	90
Height:	mm	1440
Lenght:	mm	1310/1770
Width:	mm	720
Installed electric power:	W	280
Electrical supply tension/frequency:	V / Hz	220/230 - 50
3 bar water capacity	litri	9 per minute
Operating pressure	Bar	Min.0,5 / max 10
Package dimensions	cm	90x140x128h
Gross weight	Kg	216

CHAPTER 2

SAFETY REGULATIONS AND ACCIDENT PREVENTION

2.1 DANGER LEVELS

The operator's safety is the manufacturer's main concern, and therefore all possibility dangerous situations and risks connected with use are to be avoided by adopting the opportune precautions to render usage safer. It is recommended to carefully read this booklet, and this section in particular, to avoid inopportune behavior that conflicts with the instructions contained in this booklet:

DANGER: Carefully read the following regulations. Those who do not apply the following regulations may be subject to damages or may cause damages to people, animals or things. GAMMA & BROSS declines any and all responsibility for direct or indirect damages caused by the disregard for the safety regulations and accident prevention procedures described below.

2.2 SAFETY IN USE

When the **TEKNOWASH** is in use, it is mandatory to follow the instructions described below:

- **It is prohibited** to operate the **TEKNOWASH** by anyone who has not completely read, understood and perfectly assimilated the information contained in this booklet.
- **It is prohibited** to operate the **TEKNOWASH** by persons that are not adequately trained or that are not in good health.
- **It is prohibited** to operate the **TEKNOWASH** when the safety devices are not inserted and the fixed protections are removed.
- Before using, **it is mandatory** to control the perfect integrity of all the safety devices on the **TEKNOWASH**.
- **It is mandatory** that the installation and mounting of the **TEKNOWASH** be executed in accordance with the instructions outlined in this booklet.
- **It is mandatory** to position the **TEKNOWASH** inside a place that is closed, covered, clean, sufficiently lighted, temperature regulated, and not exposed to dust, humidity, and is free of the danger of explosion or fire.
- **It is mandatory** to verify that the support surface beneath the **TEKNOWASH** is flat and solid.
- **It is recommended** to become familiar with the command devices before using.
- **It is recommended**, in case of malfunctioning, to always contact the Manufacturer, avoiding unauthorized interventions.
- The use of accessories provided by the Manufacturer **is permitted**.

2.3 PRESERVATION OF SAFETY

To guarantee safety over the life span of **TEKNOWASH**, it is indispensable to respect the following rules:

- **It is prohibited** to remove or tamper with the safety devices.
- **It is prohibited** to leave the **TEKNOWASH** with its protections disassembled**.**
- **It is prohibited** to clean **TEKNOWASH** with petrol or any other solvent**.** Use only authorized cleaning fluids, non- flammable and non- toxic.
- **It is mandatory** to disconnect the electric feeding before cleaning or maintenance operations.
- **It is mandatory** to execute **TEKNOWASH** maintenance operations only by qualified personnel.

CHAPTER 3
TRANSPORT, UNLOADING, ASSEMBLY AND SETTING UP

3.1 PACKAGING, TRANSPORT AND UNLOADING OF THE EQUIPMENT
All the material is carefully inspected by the manufacturer before shipping.
The packaging method is defined with the client in relation to the distance and chosen shipping method. **TEKNOWASH** is transported inside a package, protected by a sack made of plastic (nylon airball) to avoid any direct contact with humidity and/or dust, and is inserted into a box or crate of a size that impedes any horizontal or vertical movement.

The label attached to the outside of the package contains the following information:
- Manufacturer's address
- Recipient's address

When receiving **TEKNOWASH**, make sure that the equipment has not been damaged during transport, that the packaging has not been tampered with, and that nothing has been removed from the package. In case there is damage to the equipment or missing parts, immediately inform the carrier and the manufacturer, and provide for photographic documentation.
Two people are necessary to lift the parts of the **TEKNOWASH** that are contained the package. If lifting machinery is used, it is necessary to verify the correct balancing of the package until it is entirely lifted up, proceeding with continuity and without any jerks or stops.
Keep the load as low as possible during movement, both for better stability of the load, and for better visibility.
The manufacturer is not responsible for any damages during transport of the **TEKNOWASH**.

3.2 UNPACKING
Place the packaged equipment as close as possible to the desired installation area and remove the parts from the package. If the packaging is in paper it is necessary to recycle it as required by local waste disposal regulations. If the package is made of plastic material (nylon airball), do not burn it or throw it away, but dispose of it in the appropriate waste collection location in accordance with local regulations
The packaging elements can be dangerous and must not be left within children's reach.

3.3 INSTALLATION
The operations for the installation of **TEKNOWASH** are described below. Before installation, control the integrity and completeness of the equipment.

The installation and regulation of TEKNOWASH includes dangerous operations: these operations must be performed by qualified and responsible personnel. Carefully read the instructions outlined in this handbook: GAMMA & BROSS declines any and all responsibility for damages caused by the disregard for these instructions.

3.4 CONTROLS BEFORE CONNECTION & LAYING

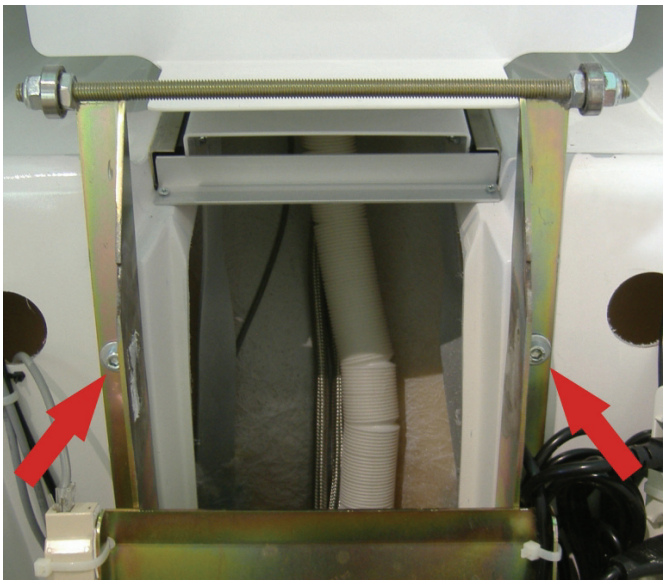
Before assembling **TEKNOWASH**, it is better to control and eventually adjust implants in the installation location and to observe the following rules:
- Control the operating tension and frequency: these must correspond to the tension and frequency of the existing supply network in the location. The electrical equipment normally operates at a tension of 230 volts, 50-hertz frequency.

- Check the status of the supply cable conductors and the ground conductor.
- Control that an automatic interruption device against overloads with a cutout switch is installed.
- Connect the equipment's cable to the electrical socket with maximum care and in accordance with current regulations.
- The presence of power surges and equipment that creates electro-magnetic interference could damage the electronic parts of **TEKNOWASH**.

It is prohibited to connect the electrical equipment directly to conductors of the location's power supply system: a breakdown in the power supply system could cause irreparable damage to the Teknowash and grave injuries to anyone who is in contact with the shampoo system.

3.5 TEKNOWASH – BASIC MODEL: CONNECTION & LAYING

1) Remove the **TEKNOWASH** and any packaging with maximum care and proceed to position the sink in the desired location
2) Lean forward the chair backrest, separate the steel frame from the fibreglass body work, unscrewing the two (pic.A) rear screws, near the sink, and the two (pic.B) handles under the seat, on the side of the fibreglass bodywork



Picture A

Picture B

3) Take out the whole seat from the body work. **WATCH OUT!**: pay attention to **slightly widen the armrests**, **so that the steel frame doesn't scratch the painted surface of the body work.**
4) Position the sink into its seat and verify that the hydraulic and electrical attachments are inserted correctly.
5) Firmly mount the structure to the floor with the appropriate anchoring blocks, or if the floor is not sufficiently compact, with a chemical anchoring agent (not provided).

WARNING: Before attaching the taps, it is mandatory to clean out the hydraulic implant to avoid that residual sand and impurities clog the taps and damage the sophisticated ceramic mixers.

6) Proceed with the hydraulic connections, making sure to verify the easy movement of the sink with its maximum range of tilting and sliding.
7) Place again the seat into the bodywork; pay attention to **slightly widen the armrests**, **so that the steel frame doesn't scratch the painted surface of the body work.** replace the screws and the handles that were previously removed

3.6 TEKNOWASH - S MODEL : CONNECTION & LAYING

In the Shiatsu version, do not ever force the opening of the backrest to avoid the misplacement of the pneumatic equipment's tubes, and never pull the ribbon on the tubes to avoid removing them from the compressor or, even worse, from the internal massaging panel in the seat.

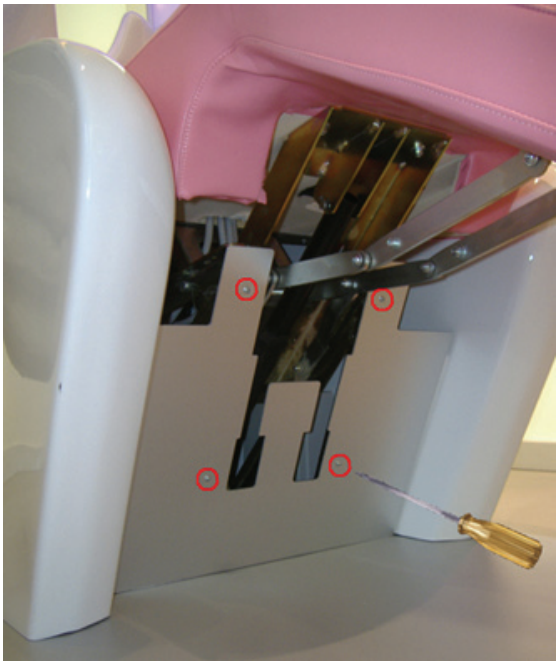
It is extremely dangerous to move the chair during assembly operations.

It is prohibited to activate the chair with any person in proximity of the mechanical parts.

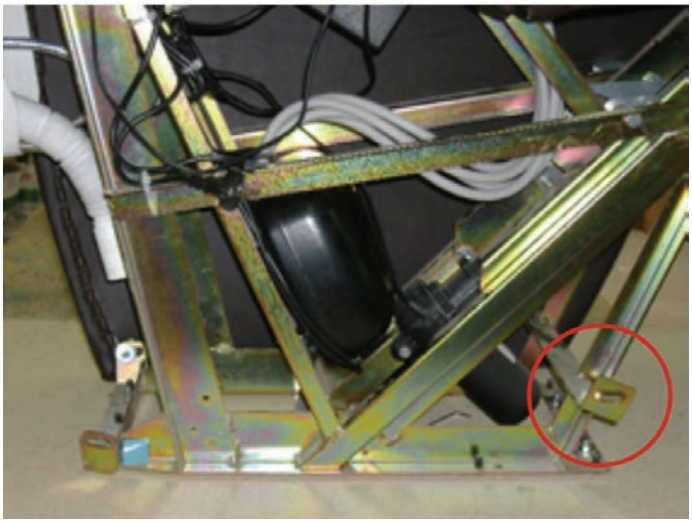
It is mandatory to disconnect electricity as soon as the chair is extended at its maximum range.

Disregard for these rules may result in grave injuries and permanent disability.

1)Remove the **TEKNOWASH** and any packaging with maximum care and proceed to position the sink in the desired location
2) Operate a temporary electric connexion; lean the backrest forward and lift the legrest with the remote control.
3) Disassemble the front aluminium panel (pic.C) and, if necessary, the crossbeam (pic.D), paying attention to avoid scratches on the painted body work.



Picture C



Picture D

4) Lean forward the chair backrest, separate the steel frame from the fibreglass body work, unscrewing the two (pic.A) rear screws, near the sink, and the two (pic.B) handles under the seat, on the side of the fibreglass bodywork

5) Take out the whole seat from the body work and remove the partition screen that close off the hollow under the sink (pic. E)

Picture E

Picture F

6) Unscrew the fiberglass body work from the base panel (pic.F)

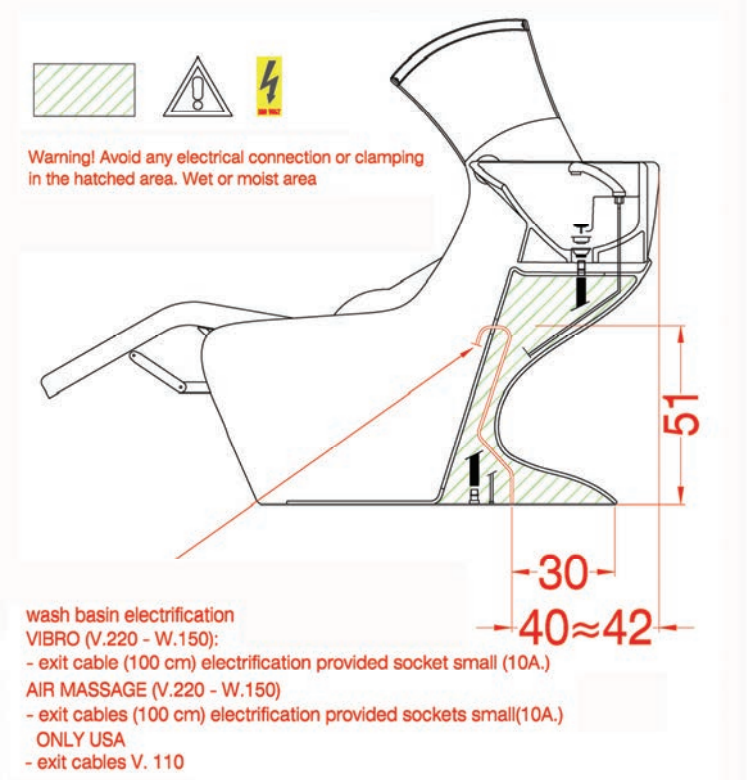
7) Lay down the shampoo unit in the place set in advance and verify that the hydraulic and electrical attachments are inserted correctly.

8) Firmly mount the structure to the floor with the appropriate anchoring blocks, or if the floor is not sufficiently compact, with a chemical anchoring agent (not provided).

WARNING: Before attaching the taps, it is mandatory to clean out the hydraulic implant to avoid that residual sand and impurities clog the taps and damage the sophisticated ceramic mixers.

9) Proceed with the hydraulic connections, making sure to verify the easy movement of the sink with its maximum range of tilting and sliding.
10) Fix up the electric connection cable in the hollow under the seat, inserting it in the upper slot.
11) Place again the seat and the partition screen into the bodywork**.** Pay attention to **slightly widen the armrests**, **so that the steel frame doesn't scratch the painted surface of the body work** Replace the screws and the handles that were previously removed
12) Connect the electric socket to the plug and fix it to the body work. Pay attention to keep the electric cables clear of the lifting mechanism

The electric connection must be strictly done in the hollow under the seat. Never do the electric connection in the hollow under the sink!
Never lay the electric connections on the floor.
Carefully check that all the electrical cables are perfectly fasten to the steel structure and that they do not interfere with any of the chair's movements, which could cause them to be jerked or damaged, provoking grave injuries to persons and irreparable damages.


Warning! Avoid any electrical connection or clamping
in the hatched area. Wet or moist area
51
30
40≈42
wash basin electrification
VIBRO (V.220 - W.150):
- exit cable (100 cm) electrification provided socket small (10A.)
AIR MASSAGE (V.220 - W.150)
- exit cables (100 cm) electrification provided sockets small(10A.)
ONLY USA
- exit cables V. 110

13) Carefully re-assemble the front aluminium panel (pic.C); in order to **avoid scratches on the painted surface of the body work.** replace the screws and the handles that were previously removed

Verify the exact position to make sure that the levers do not touch the covering during movement

The aluminum cover and the metallic parts of the levers and frame can be sharp: use protective gloves.

3.7 TEKNOWASH - SOUND model: : CONNECTION & LAYING

execute all the process from step 1 to step 13, as per TEKNOWASH S.
14) Place the clear plastic canopy, inserting the lower edges in the proper clamps; then, tighten the blocking screws.

3.8 TEKNOWASH – PLUS model: CONNECTION & LAYING

Handle with care the LED lighting canopy to avoid damages to the high-value components.
Please, return it to the manufacturer for any repair service

execute all the process from step 1 to step 13, as per TEKNOWASH S – SOUND
14) Unscrew the 4 screws that fix the canopy to the metal side plates (pic. G)
15) Place the canopy and connect the LED lighting system to the power supply.
16) Fasten the canopy and replace the screws that were previously removed

Picture G

CHAPTER 4
INSTRUCTION FOR USE

4.1 WARNINGS BEFORE USE

- **Do not sit on the leg rest for any reason when the leg rest is lifted up** and the chair is in relax position.

- The shiatsu massage must be switched on only and exclusively when the chair is in the relax position.

- The electronic switchboard of the shampoo system might be affected by malfunctions if there are power surges or electro-magnetic interference, which can be caused by hair dryers or other equipment that is not adequately protected.

Warning: the remote control must never come into contact with water. Never use the remote control with wet hands.

Warning: do not come near to or touch the washing mechanisms placed under the chair in any way when the washing is not operating.

Inform the personnel and the clients to be sure that no person or animal comes near to or in contact with the movement mechanisms positioned under the chair.
Disregard for these warnings may cause grave injuries and permanent mutilations.

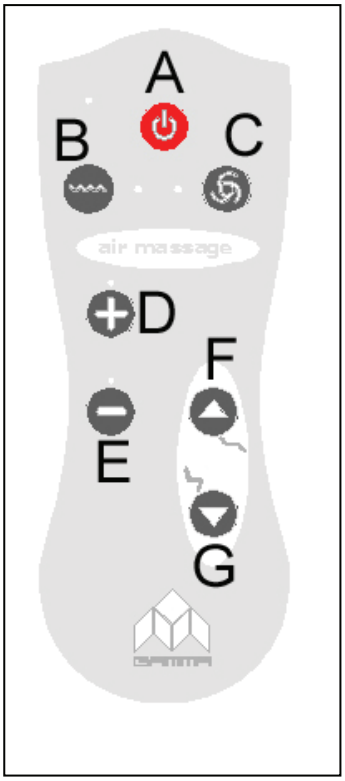
4.2 USING THE WASH FUNCTION

Before operating the **TEKNOWASH**, check the efficiency of the equipment and train yourself with the command devices.
The sink can be positioned manually with precision at the nape of the client's neck by using the two regulation systems:
An original sliding system permits the movement of the sink in forward and backward directions. A classic friction tipping system permits the raising and lowering of the sink's neckrest.
The chair's movements and massage are activated and controlled through the remote control.
The instructions for use of the various commands provided with the different models are listed below.

4.3 SEAT MOTION & MASSAGE REMOTE CONTROL FOR TEKNOWASH S – SOUND - PLUS

At the first connection of electricity, it is necessary to wait 7 minutes before activating any command while the microprocessor resets. This procedure takes place after every electrical breakdown.
The massage cycle program is pre-setted to last 15 minutes; At the end of the cycle, the air massage switch off automatically.
Push the red button of the remote control to restart the massage (Pic. H)

Seat motion & massage control list:
- **Button A:** switch on and off the massage
  Button B: the air flow inflates the air chambers in order
- **Button C:** the air flow inflates the air chambers with a random sequence
- **Button D**: Increases the intensity of the massage by decreasing the flow speed
- **Button E:** Decrease the intensity of the massage
- **Button F:** Lift up the the seat & the leg rest in relax position
- **Button G:** Bring down the seat & the leg rest
- **Power – on lights**: indicate the increase and decrease of the massage intensity.

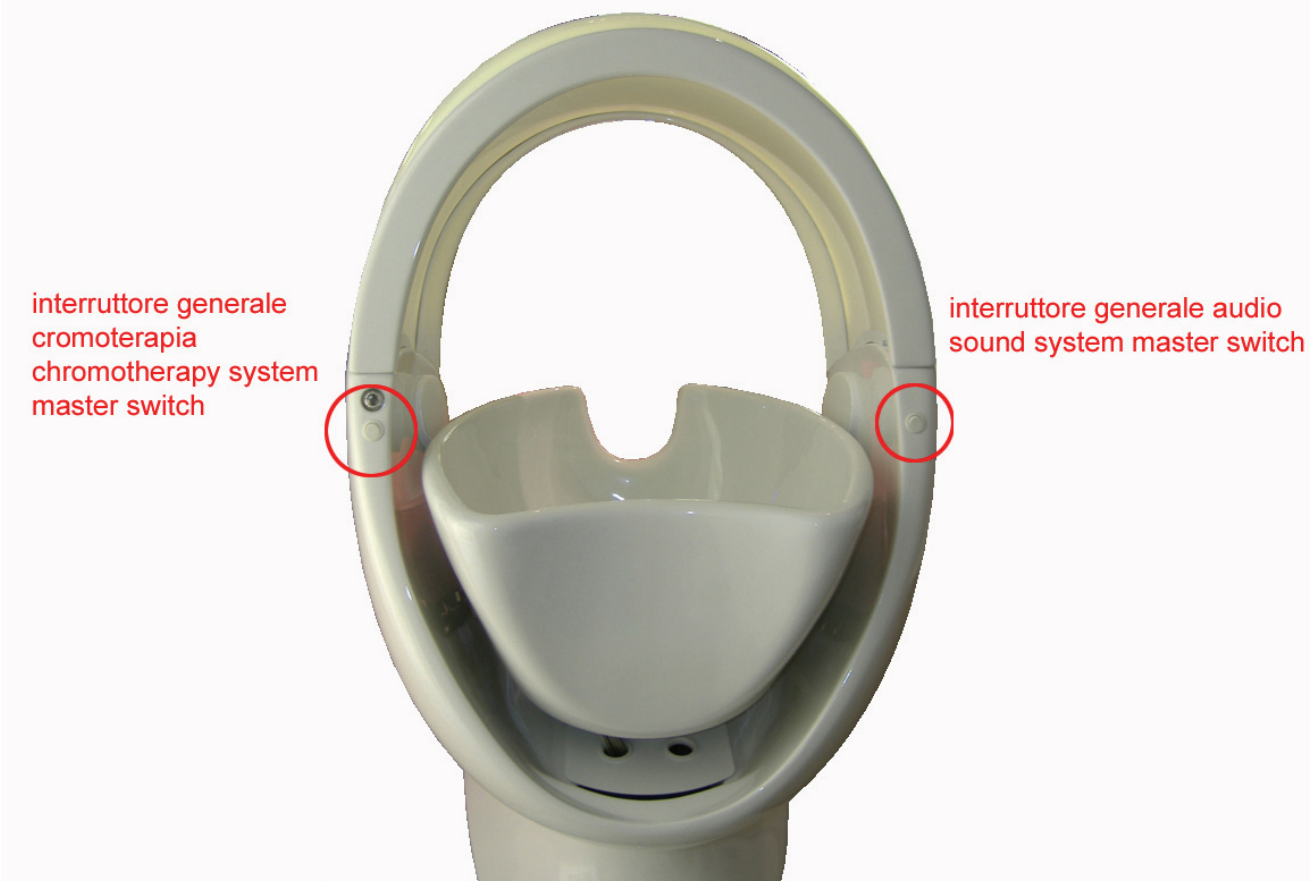


Picture H

WARNING: when turning off the massage function, wait a few seconds before bringing the chair into the sitting position to allow the mattress to totally deflate.

4.4 Mp3 MUSIC PLAYER FOR TEKNOWASH SOUND – PLUS

The sound system master switch is on the rear of the bodywork, on the right side (Pic. I)



The sound system is managed by the supplied I-POD SHUFFLE Mp3 player.
Connect the Mp3 player with the proper stereo plug on the right side of the shampoo unit.
In order to avoid noises at the loudspeakers, we suggest to plug in or disconnect the Mp3 player when it is turned off.
The sound system allows the use of any other Mp3 player.
Follow the Mp3 player genuine user's manual by the authorized manufactures and dealers.

Warning ! Set the volume to a safe level. Permanent hearing loss may occur if the music player is set at too high volume. Don't turn up volume suddendly once the client is seated.

4.5 CHROMOTHERAPY REMOTE CONTROL FOR TEKNOWASH PLUS

The chromotherapy system master switch is on the rear of the bodywork, on the left side (Pic. I)
.
Once the device is lit up, the LED lighting system starts to operate at the last setup mode.
Is it possible to set several operating mode, just using the remote control (Pic. M)

Picture M

Chromotherapy control list:
- Button **4 (BLACK color):** switch on and off the system **(keep it pressed 1 second or more)**
- Button **4 (BLACK color):** press it **slightly** to select **3 different chromatic cycles**
  1. Fading cycle of all the spectrum colors
  2. Fading cycle of the warm hues
  3. Fading cycle of the cold hues
- Button **4 (BLACK color):** press it **slightly** to restore the pre-sets mode
- Button **1 (RED color):** press it **slightly** to keep the **light red costantly**
- Button **2 (GREEN color):** press it **slightly** to keep the **light green costantly**
- Button **3 (BLUE color):** press it **slightly** to keep the **light blue costantly**

Keep the buttons pressed **continuously to adjust the color intensity to the maximum level.**
Keep the buttons pressed **continuously once again to decrease the color intensity until the related color is completely turned off**. Mixing the 3 primary colors, it is possible to get endless colors shading.

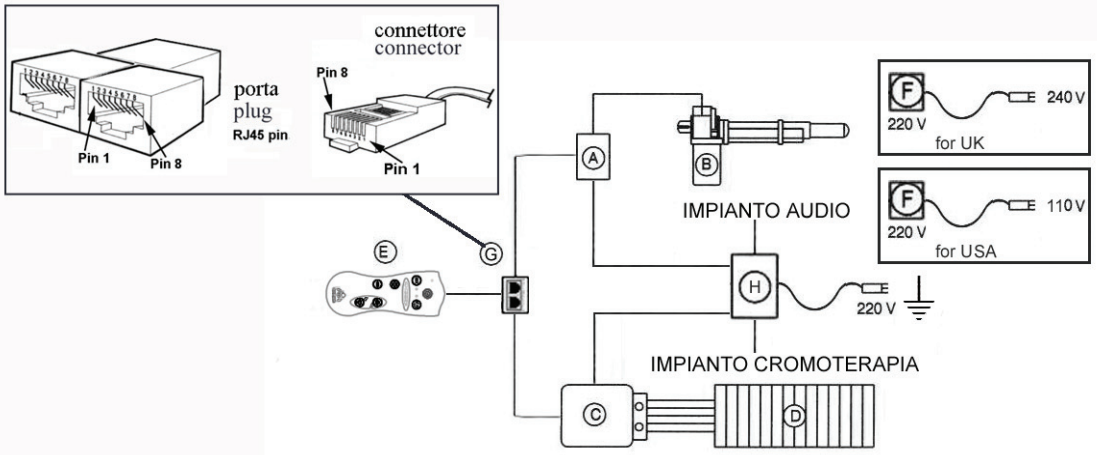
CHAPTER 5

TECHNICAL SCHEME

5.1 ELECTRICAL SYSTEM – SEAT MOTION & MASSAGE

SCHEMA ELETTRICO MOVIMENTO DELLA SEDUTA E MASSAGGIO
ELECTRICAL SCHEME - SEAT LIFTING & MASSAGE

SCHEMA TECNICO	TECHNICAL SCHEME
SISTEMA PER IL MOVIMENTO	MOVEMENT SYSTEM
Ⓐ CENTRALINA PER ATTUATORE 230V 50Hz 130W ciclo di lavoro 2 min ciclo di pausa 5 min	Ⓐ CONTROL DEVICE FOR ACTUATOR 230V 50Hz 130W 2 min WORK 5 min PAUSE
Ⓑ ATTUATORE ciclo di lavoro 2 min ciclo di pausa 5 min motore 24V/4.2A	Ⓑ ACTUATOR 2 min WORK 5 min PAUSE motor 24V/4.2A
SISTEMA RELAX SHIATSU	SHIATSU RELAX SYSTEM
Ⓒ COMPRESSORE MASSAGGIO Compressore ad aria 13V/2.5A	Ⓒ MASSAGE COMPRESSOR Air compressor 13V/2.5A
Ⓓ STUOIA MASSAGGIANTE	Ⓓ MASSAGE MAT
Ⓔ PULSANTIERA 6 TASTI	Ⓔ 6 BUTTONS CONTROL REMOTE
Ⓕ TRASFORMATORE PER ALIMENTAZIONE **MASSAGGIO**	Ⓕ TRANSFORMER FOR MASSAGE POWER SUPPLY
DA **240Vac 50/60Hz** A 220Vac per U.K. DA **110Vac 50/60Hz** A 220Vac per U.S.A	FROM 240Vac 50/60Hz TO 220Vac for U.K. FROM 110Vac 50/60Hz TO 220 for U.S.A.
Ⓖ CONNETTORE A 8 PIN RJ 45	Ⓖ 8-PINS PLUG
Ⓗ SCATOLA DI DERIVAZIONE	Ⓗ SHUNT BOX



5.2 SOUND SYSTEM

SCHEMA TECNICO

(A) ALIMENTATORE-AMPLIFICATORE
alimentazione in ingresso: 85 - 264Vac
frequenza in ingresso: 47 - 63Hz
assorbimento massimo: 80W MAX
potenza audio in uscita: 10W RMS
dinamica: 102 dB

(B) DIFFUSORI
Ø 8 cm
impermeabili con protezione e
fissaggio ad incasso
impedenza: 8 Ohm

(C) INTERRUTTORE A CONTATTO SINGOLO

(D) CONNETTORE STEREO 3.2 mm

(E) lettore Mp3 I- POD SHUFFLE

(F) SCATOLA DI DERIVAZIONE

TECHNICAL SCHEME

(A) AMPLIFIER - POWER SUPPLY
input voltage: 85 - 264Vac
input frequency: 47 - 63Hz
output power: 80W MAX
output audio power: 10W RMS
dynamic: 102 dB

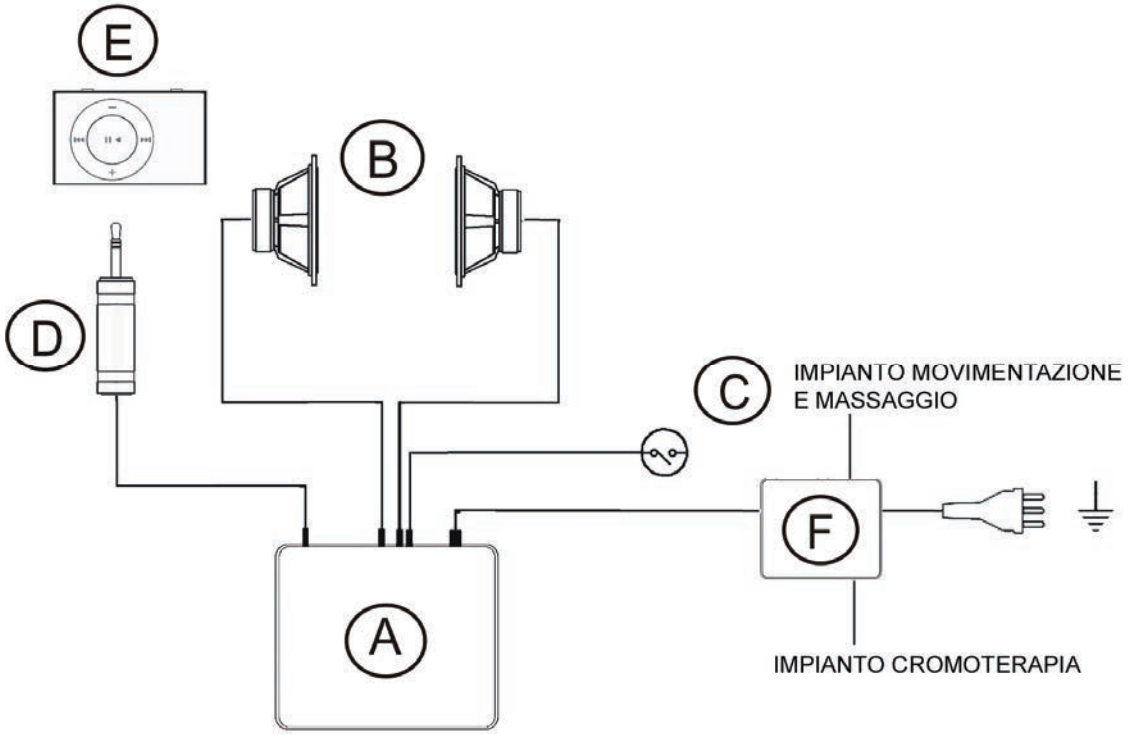
(B) SPEAKERS
Ø 4”
waterproof anti-magnetic marine speakers
with cover-grill & built-in housing
impedence: 8 Ohm

(C) SINGLE POLE SWITCH

(D) STEREO PLUG 3.2 mm

(E) Mp3 player I- POD SHUFFLE

(F) SHUNT BOX



5.3 CHROMOTHERAPY SYSTEM

SCHEMA TECNICO

Ⓐ ALIMENTATORE - CONTROLLER
Alimentazione: 230 /110 V
Frequenza: 50/60 Hz
assorbimento: 40W

Ⓑ SORGENTI LUMINOSE CROMOTERAPIA
Arco inferiore: N°12 LED
Arco superiore: N°12 LED

Ⓒ TELECOMANDO SEQUENZE CROMOTERAPIA

Ⓓ SENSORE INFRAROSSO DEL TELECOMANDO

Ⓔ INTERRUTTORE A CONTATTO SINGOLO

Ⓕ CONNETTORE

Ⓖ SCATOLA DI DERIVAZIONE

TECHNICAL SCHEME

Ⓐ POWER SUPPLY - CONTROLLER
Input voltage: 230 /110 V
Input frequency: 50/60 Hz
power consumption: 40W

Ⓑ LIGHTING SOURCE FOR CHROMOTERAPY
Lower arch: N°12 LED
Upper arch: N°12 LED

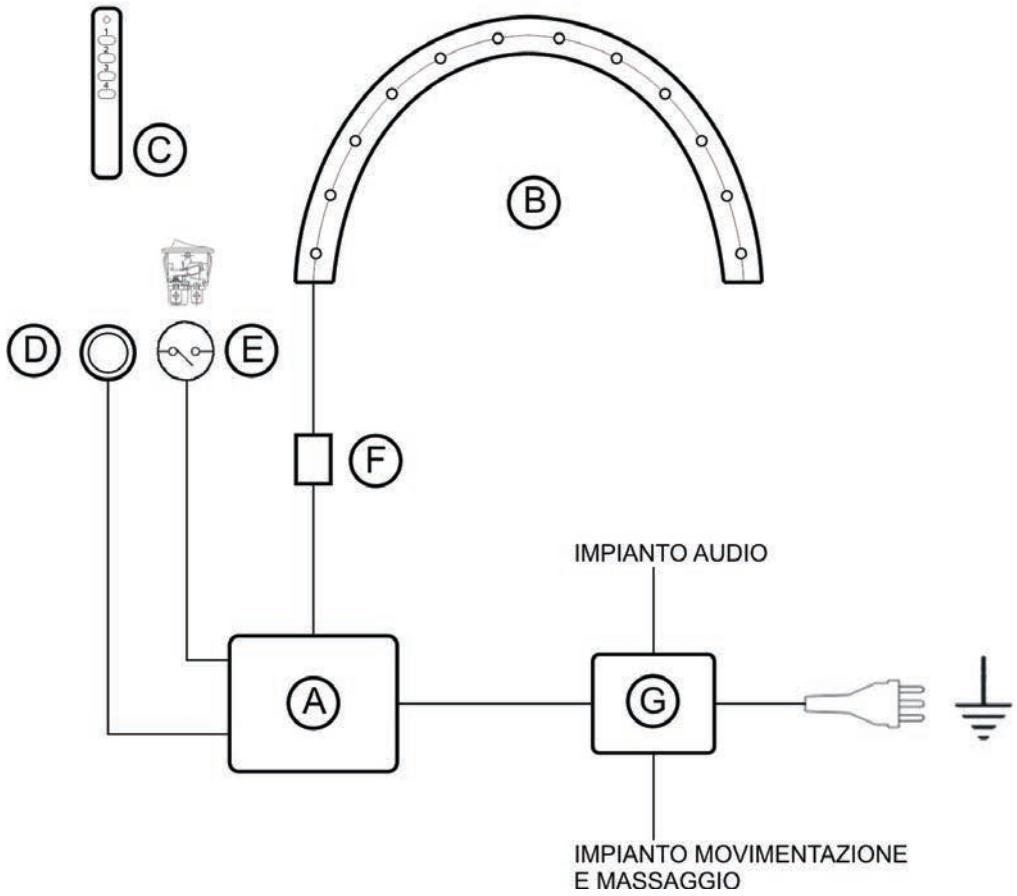
Ⓒ REMOTE CONTROL FOR CHROMOTERAPY SEQUENCE SETTING

Ⓓ INFRARED SENSOR

Ⓔ SINGLE POLE SWITCH

Ⓕ CONNECTOR

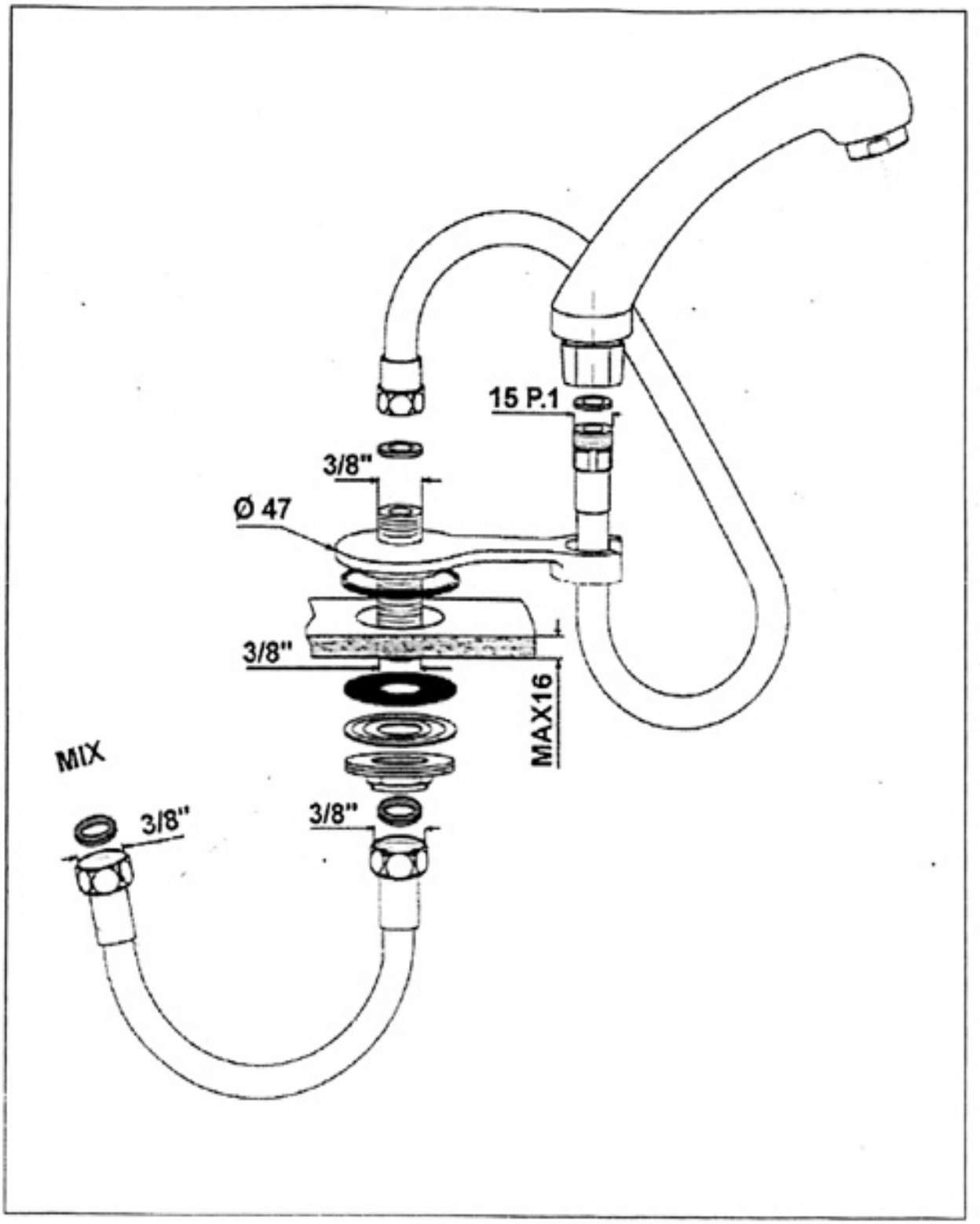
Ⓖ SHUNT BOX



SUPPORTO DOCCIA A FORCELLA "ACQUA STOP"
SUPPORT WITH FORK "ACQUA STOP"

GAMOX

Istruzioni di installazione
Instruction for installation



CHAPTER 6
CLEANING AND MAINTENANCE

6.1 PLANNED MAINTENANCE

To guarantee efficiency of the Celebritywash over time and its correct functioning, it is necessary to follow the instructions outlined below.
- The cleaning of the ceramic sink, plastic base and taps must be performed regularly with water and suitable commercial products containing neutral detergents.
- The use of solvents, acids and abrasive detergents is strictly prohibited.
- The use of metallic scrubbers or other abrasive sponges is strictly prohibited.
- Hair color stains must be immediately removed to avoid that they permanently stain the surface of the sink.
- Immediately remove hair and residual material to avoid the drain trap and drain.
- Periodically clean the drainpipe of the plumbing implant (not provided).
- Periodically clean the showerhead aerator by unscrewing it from its seat. Replace it if it is too clogged or encrusted with hard water deposits.

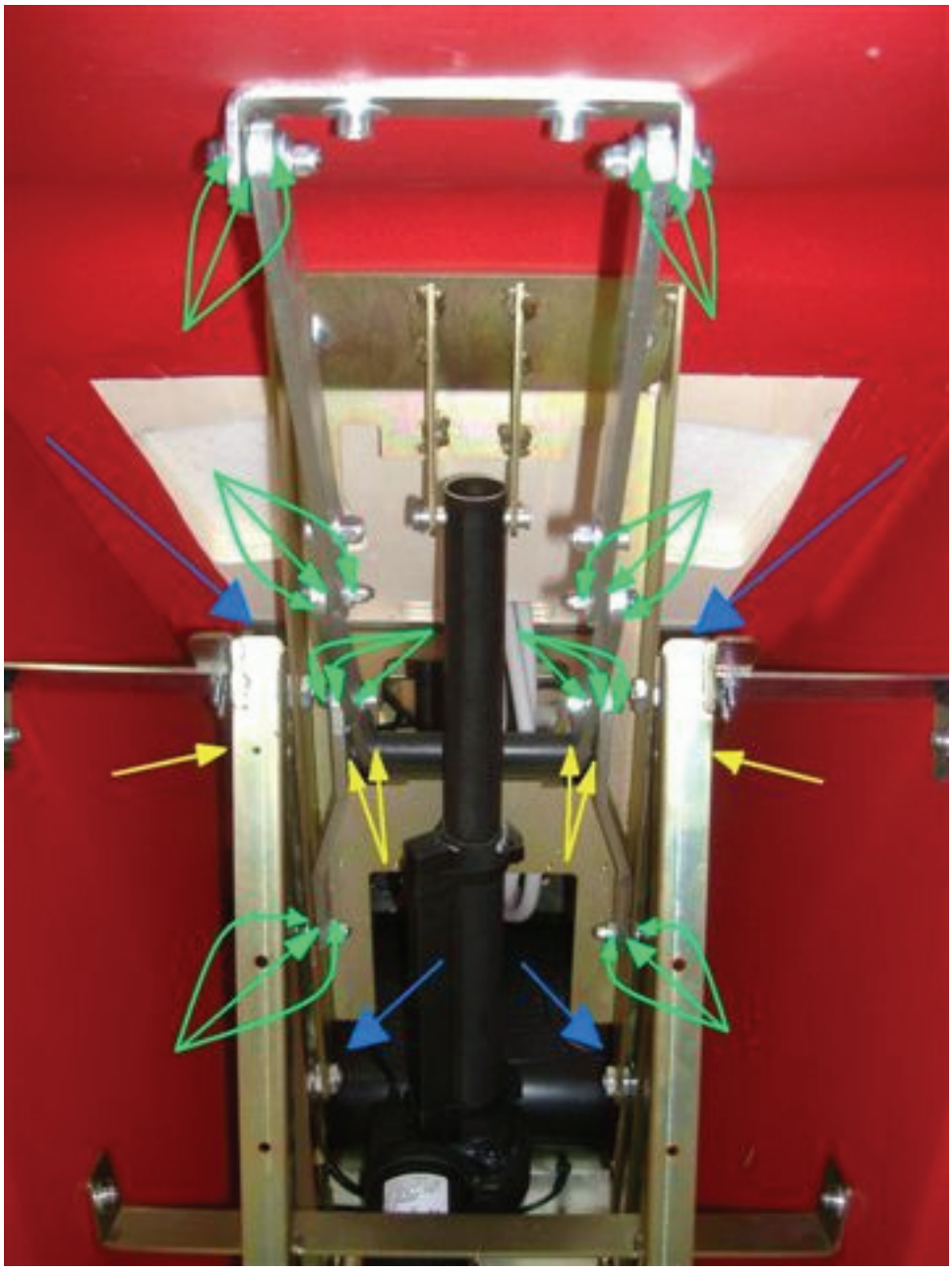
WARNING: Commercial hard water deposit removal products contain solvents and acids that corrode chrome-plated surfaces, and are hazardous to your health through inhalation and contact.

- The surface of the chair must be regularly cleaned with a soft cloth or sponge, water and neutral detergent.
- The use of solvents, acids, detergents or abrasive materials is strictly prohibited. These substances would harm the superficial protection of the eco leather, compromising its resistance to stains.
- Strict avoid staining the chair with hair color: it is impossible to remove hair color stains.
In case of accidental staining, remove the material as soon as possible to avoid further damage.

- WARNING! THE USE OF ALCOHOL BASED CLEANERS IS HARMFUL FOR THE METHACRYLATE CANOPY : never use them to avoid irretrievable damages.

6.2 INSTRUCTION FOR RECURRING LUBRICATION OF MECHANISM

1. To plan & run a periodic lubrication process of the overall metal frame.
2. To use only TEFLON (PTFE) based lubrication spray.
3. To lift up the chair to reach the relax setting (with footrest fully stretched out) .The area showed in the picture is easy to approach even if you don't remove the aluminium front covering.
4. To oil the eight (8) pins of the lifting couplings, both on the outer and on the inner side **(see the green arrows in the picture)**
5. To oil the pivoting hinges of the lifting arms, the cross pin and its edge insertions on the frame. Due to the spacers, you have to oil these parts carefully, in order to let the lubricant go deep in this areas **(see the yellow arrows)**
6. To oil the ball bearings that are in the slides. You can reach the upper ones in head-on position, under the chair. You can reach the lower ball bearings from the inside,
just knock-down the backrest of the chair **(see the blue arrow)**



6.3 EXTRAORDINARY MAINTENANCE:

Extraordinary maintenance operations (component repairs, cleaning of the internal parts) can only be performed by specialized personnel that are authorized by the Manufacturer. Interventions on the electrical implant are considered to be extraordinary, as they require specialized personnel.

It is mandatory to remove the plug from the electrical socket before attempting any extraordinary maintenance operation.

6.4 TECHNICAL ASSISTANCE:

Maintenance must be performed in accordance with the instructions contained in this manual. For all cases not described herein and for any type of assistance, contact the Manufacturer directly and provide the following information:

- **Model**
- **Client reference**
- **Order number or D.D.T.**
- **The date of delivery**

The correct information guarantees rapid and precise response.
If the maintenance operations on theTeknowash are not performed in accordance with the provided instructions, with non-original spare parts or without the written authorization of the Manufacturer, or in any way compromises its integrity or modifies its characteristics, GAMMA & BROSS will not be held responsible for the safety of persons and the malfunctioning of the Teknowash. Any unauthorized intervention renders the warranty conditions null and void.

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CHAPTER 7

HINTS FOR WASTE DISPOSAL

At the end of the product life cycle, please dispose of it following all the environmental conservation rules.
Waste disposal is to be done in the official rubbish dumps.
We recommend to follow strictly the current laws about the separate waste collection for recycling.

DECLARATION OF CONFORMITY

MANUFACTURER: **GAMMA & BROSS spa**
Via Ceratelli, 2
46043 Castiglione delle Stiviere (MANTOVA) – ITALIA

ITEM:	**TEKNOWAS BASIC**	codice GKR0040LA /GKR0040LAB
	TEKNOWASH S	codice GKR0046LA /GKR0046LAB
	TEKNOWASH SOUND	codice GKR0044LA /GKR0044LAB
	TECNOWASH PLUS	codice GKR0048LA /GKR0048LAB

Herewith we state that the summentioned items are in compliance with the following current laws :

89/336/CEE: EN55014-1, EN55014-2; 73/23/CEE: EN60335-1 **SEAT MOTION**
EN60335-2-32:2003, EN60335-1/A11:2004, EN50366/A1:2006 **MASSAGE**
EN55014-1:1993, EN55014-2:1993, EN61000-3-2:1995, EN61000-3-3:1995 **AUDIO**

As per documentation filed at the registered office of the manufacturer

DATE18/09/2009 SIGNATURE.....

Control device for actuator type SU15/M1; actuator LM40 – CEI EN Declaration of Conformity

SPETT.LE

GAMMA & BROSS S.P.A.
V. CERATELLI, 2
46043 - CASTIGLIONE DELLE STIV.RE (MN)

DICHIARAZIONE DI CONFORMITÀ

PRODUTTORE: CIAR SPA
VIA MOLARONI 3
61100 BORGO S. MARIA
PESARO ITALY

DESCRIZIONE PRODOTTO:

ATT. LM40/UL C.85/CH.237 V3P/24V1P/4000N/4,2A	cod. Ciar 4051200014
ALIM. SU15/M1 120V USA2P C5BR 4,2A 9004BK (QMFZ2)	cod. Ciar 2151100690
PULS. HCV 13T M1/V5 496/SP8PT/TEL8P/N390010046	cod. Ciar N500040161

CON LA PRESENTE CONFERMIAMO CHE IL SOPRA CITATO PRODOTTO È CONFORME ALLE DISPOSIZIONI DI LEGGE EUROPEE SEGUENTI:

2004/108/CE E SUCCESSIVE MODIFICHE	DISPOSIZIONE DI LEGGE DEL PARLAMENTO EUROPEO PER L'ALLINEAMENTO DELLE LEGGI DEGLI STATI MEMBRI A PROPOSITO DELLA TOLLERABILITÀ ELETTROMAGNETICA. PER TALE KIT SONO RISPETTATE LE SEGUENTI NORME: EN 55014-1:2008, 55014-2:1998
2006/95/CE E SUCCESSIVE MODIFICHE	DISPOSIZIONE DI LEGGE DEL PARLAMENTO EUROPEO PER L'ALLINEAMENTO DELLE LEGGI DEGLI STATI MEMBRI A PROPOSITO DELLA "BASSA TENSIONE". PER TALE KIT È STATA RISPETTATA LA NORMA: CEI EN 60335 – 1:2002 ; CEI EN 60335-2-12: 2004

PESARO LI' 03/05/10

ING. ANREA ROSATI

QUESTA DICHIARAZIONE CONFERMA LA CORRISPONDENZA DEL MATERIALE ALLE SOPRACITATE NORME .
NON GARANTISCE LA CORRISPONDENZA DEL MATERIALE ALLE LEGGI DI CONFORMITÀ DEL VOSTRO PRODOTTO DEL QUALE LA NOSTRA FORNITURA È PARTE INTEGRANTE.

Ciar SpA_61100 Pesaro_Italy Via V.Molaroni 3_Loc.Borgo S.Maria tel. (+39) 0721.200180_fax 0721.203099 Web site: www.ciar.it e-mail: info@ciar.it
Cod. Fisc. e Part. IVA 00440110419_Cod. Identific. ISO: IT 00440110419_REA Pesaro-Urbino PS 81079_Cap. Soc. 1.295.621 Euro_ Az. Certific. UNI EN ISO 9001/2000

Control device for actuator type SU15/M1 – UL Declaration of Conformity

ONLINE CERTIFICATIONS DIRECTORY

PGXX2.E194186
Massage and Exercise Machines - Component

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Massage and Exercise Machines - Component

See General Information for Massage and Exercise Machines - Component

C I A R SPA E194186
VIA MOLARONI 3
LOC BORGO SANTA MARIA
61100 PESARO, PU ITALY

Motor operated massage and exercise machines, Model MF400.

Models SU40/M2, SU40/M1.

Models SU40/M1/C12, SU40/M2/C12.

Model MF80, MF80/2, MF40/2, MF400/2.

Model SU15/M1, SU15/M2.

Models SU03, SU04M1, SU04M2, SU30M1, SU30M2, SU30M3.

Marking: Company name and model designation.
Last Updated on 2009-04-30

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ONLINE CERTIFICATIONS DIRECTORY

PGXX2.GuideInfo
Massage and Exercise Machines - Component

View Listings Page Bottom

Massage and Exercise Machines - Component

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

USE

This category covers components intended for use in motor-operated massage and exercise machines, such as pendant controls and vibrator assemblies.

CONDITIONS OF ACCEPTABILITY

Unless specified otherwise in the individual Recognitions, consideration is to be given to the following Conditions of Acceptability when these components are employed in the end-use equipment:

1. The electrical rating of pendant controls shall be suitable for the load controlled.
2. The suitability of any cords and cord connectors provided with a pendant control shall be determined.
3. Vibrator assemblies shall be provided with a suitable enclosure.
4. The performance of vibrator assemblies shall be determined in the end-use application.
5. The electrical spacings maintained within a pendant control or vibrator assembly shall be determined to be acceptable for the application.

Additional Conditions of Acceptability may be found in the Recognition Report available from the manufacturer.

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/UL 1647, "Motor-Operated Massage and Exercise Machines."

UL MARKING

Components Recognized under UL's Component Recognition Program are identified by markings consisting of the Recognized company's identification and catalog, model, or other product designation. In addition, components produced under the UL Component Recognition Program will also bear the Recognized Component Mark .

The Listing or Classification Mark of Underwriters Laboratories Inc. is not authorized for use on, or in connection with, Recognized Components. Only those components that actually bear the "Marking" should be considered as being covered under the Component Recognition Program.

Last Updated on 2004-12-13

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Massage compressor JGM 1000-2000-3000 - CEI EN Declaration of Conformity

GAMMA&BROSS SpA
VIA CERATELLI, 2 – 46043 CASTIGLIONE DELLE STIVIERE (MN) ITALY
PH. +39 0376 632630 – FAX +39 0376 636683
Cap. Soc. €750.000 – www.gammabross.com
REA 158093 – Cod. Fisc. e Part. IVA IT 01431270204

DICHIARAZIONE DI CONFORMITA'

Produttore :

Via Ceratelli, 2
46043 – Castiglione d/S – MN

Prodotto : AIR MASSAGE

Modello : GAMMA

Dati Tecnici : 220/230V 50Hz 30W

Con la presente conformiamo che il suddetto prodotto è conforme alle disposizioni di legge europee seguenti :

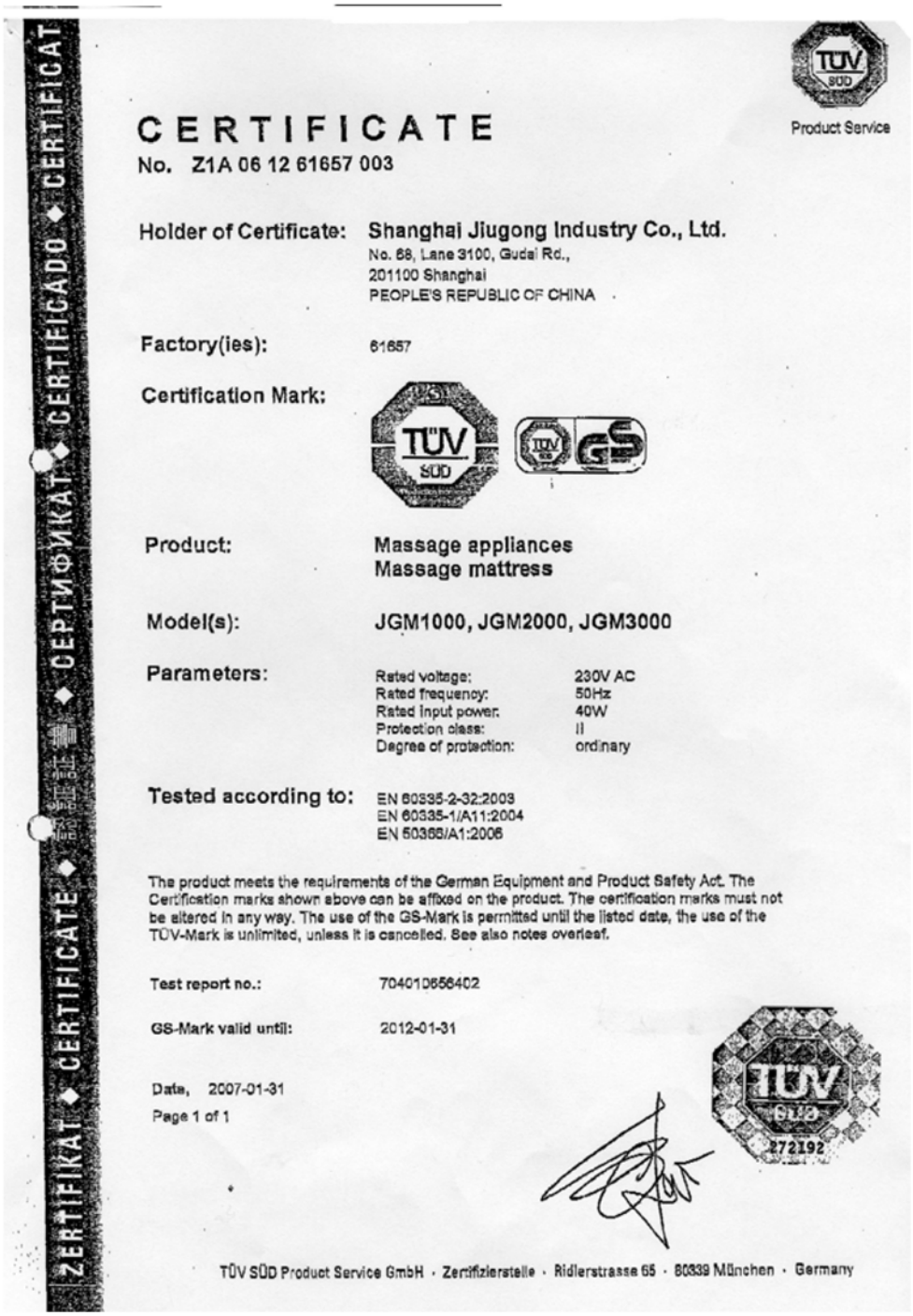
EN 60335-2-32:2003
EN 60335-1/A11:2004
EN 50366/A1 :2006

Data: 12/04/07

Il Rappresentante Legale

GAMMA & BROSS S.P.A.
Via Ceratelli n° 2
Tel. 0376.632630 Fax 0376.636683
46043 Castiglione delle Stiviere (MN)
Partita IVA 01431270204

Massage compressor JGM 1000-2000-3000 - TÜV Declaration of Conformity



CERTIFICATE ◆ CERTIFICADO ◆ СЕРТИФИКАТ ◆ 证书 ◆ CERTIFICATE ◆ ZERTIFIKAT

TÜV SÜD Product Service

CERTIFICATE

No. Z1A 06 12 61657 003

Holder of Certificate: Shanghai Jiugong Industry Co., Ltd.
No. 68, Lane 3100, Gudai Rd.,
201100 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Factory(ies): 61657

Certification Mark:

Product: Massage appliances
Massage mattress

Model(s): JGM1000, JGM2000, JGM3000

Parameters:

Rated voltage:	230V AC
Rated frequency:	50Hz
Rated input power:	40W
Protection class:	II
Degree of protection:	ordinary

Tested according to: EN 60335-2-32:2003
EN 60335-1/A11:2004
EN 50366/A1:2006

The product meets the requirements of the German Equipment and Product Safety Act. The Certification marks shown above can be affixed on the product. The certification marks must not be altered in any way. The use of the GS-Mark is permitted until the listed date, the use of the TÜV-Mark is unlimited, unless it is cancelled. See also notes overleaf.

Test report no.: 704010656402

GS-Mark valid until: 2012-01-31

Date, 2007-01-31
Page 1 of 1

TÜV SÜD 272192

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstrasse 65 · 80339 München · Germany

Aufbauübersicht für Elektrogeräte und Maschinen
Data form for electrical equipment and machinery

TÜV PRODUCT SERVICE

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Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen) (Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen ....)
Safety relevant components: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e.g. transformers, coils) (emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers ....)

Bauteil / Kind of component	Hersteller / Manufacturer	Angaben über Typ, Stromstärke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse / Information about type, current, power, transformer specification number, insulating class	Prüfzeichen von Test mark from (VDE, BSI, UL etc.)
1. Power plug	Zhenjiang Huayin Instrument and Electrical Equipment Co., Ltd.	2VTJ2, AC 250V, 16A	VDE
2. Power cord	Zhenjiang Huayin Instrument and Electrical Equipment Co., Ltd.	H05VV-F 2 x 0.75 mm²	VDE
3. Power switch	Shenzhen Baokezhen Electronics Co., Ltd.	SC756, AC 250V, 6(1)A, 10E3, T85	VDE
4. Cartridge fuse-link	Walter Electronic Co. Ltd.	FSD, AC 250V, 2A, 5 x 20 mm, F type, quick-acting	VDE
5. Varistor	Centre Science Corp.	CNR-14D391K, AC 60-680V, DC 66-895V, Class current 50A, Max. peak current 450CA	VDE
6. Optocoupler	Fairchild Semiconductor	MOC3061, 350mA, , 800mW, T100	VDE
7. PTC protector	Shanghai Keter Polymer Material Co., Ltd.	KT60-2500B, 60Vdc, 2500mA KT60-0400B, 60Vdc, 400mA	TUV-SUD
8. Filter capacitor	Shenzhen Shengxin Capacitor Co., Ltd.	MEX-X2, AC 280V, 0.1µF, 40/100/21	VDE
9. PCB	ZHAOYJAN JINBAO ELECTRONICS CO LTD	2D-88(G)P, UL 94 V-1	UL (E141640)
10. Transformer	Jiangyin Runyang Electronic Co., Ltd.	Model: SY-57750T1, Class B, Input: AC 230V, Output 1 (Yellow-Yellow): AC 7.5V, 0.5A Output 2 (Blue-Blue): AC 15.5V, 1.0A Pri. Winding: Ø0.18, 1620T Sec. Winding: Ø0.50, 142T and Ø0.36, 58T	No (Test with appliance)
11. Thermal-link in transformer	Jingjiang Xingcheng Electronics Co., Ltd.	RH-A4, AC 250V, 2A, T=130°C	TUV Rheinland
12. Air Pump	Guangdong Haili Group Co., Ltd.	AP-15, AC 230V, 50Hz, 8W, Class E, Output air pressure: 27kPa±20% Winding: Ø0.30, 2050T x 2	No (Test with appliance)
13. Thermal-link in air pump	Anzen Dongu Co., Ltd.	HAF, AC 250V, 3A, T=127°C	VDE
14. Electric Magnetic Valve	Korea Dong-A Electronics (Shanghai) Co., Ltd.	3WAYx4, DC 24V, 6.9W, Class E	No (Test with appliance)

Prüfbericht Nr. / Test Report No.: 70.401.06.564.02 — Ort / place: Shanghai — Datum / date: December 20, 2006

Projektleiter / Project manager: I.A. — Stempel und Unterschrift / Seal and signature

Aufbauübersicht für Elektrogeräte und Maschinen
Data form for electrical equipment and machinery

TÜV PRODUCT SERVICE

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Page 1 of 3

Auftraggeber / Applicant:		Shanghai Jiugong Industry Co., Ltd. No. 68, Lane 3100, Gudai Rd., 201100 Shanghai, P. R. China	
Fertigungsstätte / Production facility:		Same as above	
Geräteart / Type of equipment:		Massage mattress	
Typenbezeichnung / Type/model:		JGM1000, JGM2000, JGM3000	
Seriennr. / Serial no.:		n.a	
Nennspannung/Frequenz / Rated voltage/frequency:		AC 230V / 50Hz	
Nennaufnahme/Nennstrom / Rated input power/current:		40W	
Anschlußdaten-Hydraulik: / Connection to hydraulic power:		n.a	
Anschlußdaten-Pneumatik / Connection to pneumatic power:		n.a	
Anschlußdaten-Wasser / Connection to water installation:		n.a	
Gewicht / weight:		5.8kg, 6.5kg, 9.0kg	
Lärmemission / noise emmission (dB A):		n.a	
Ausführung / Construction:		Ortsfest	Stationary ☐
		Ortsveränderlich	Portable ☒
		Handgerät	Hand-held ☐
		Einbaugerät	Open-frame ☐
Schutzklasse / Protection class:	Schutzklasse I:	Schutzleiteranschluß	PE-connection ☐
	Schutzklasse II:	Schutzisoliert	Double insulation ☒
	Schutzklasse III:	Schutzkleinspannung/ Interne Stromversorgung	SELV/internally powered ☐
Schutzart / Degree of protection against liquids:			IP 20 ☒
Anschlußart / Suppy connection:		Feste Anschlußleitung	Non detachable cord ☒
		Fester Anschluß	Permanent connection ☐
		Gerätesteckvorrichtung	Appliance inlet ☐
Netzbetriebsart / Rated operation:		Dauerbetrieb	Continuous operation ☒
		Aussetzbetrieb	Intermittent operation ☐
		Kurzzeitbetrieb	Short time operation ☐

Material: a) Gehäuse / Enclosure Control box: PP
b) Lufterplatten / p.e.t. XPC

Zusätzliche Angaben für Laser, Klassifizierung nach EN 60825
Additional information for Laser equipment, classification according to EN 60825

Klasse / Class:	n.a
Wellenlänge / Wavelength:	n.a
Pulsdauer / Pulse duration:	n.a

Prüfbericht Nr. / Test Report No.: 70.401.06.564.02 | Ort / place: Shanghai | Datum / date: December 20, 2006

Projektleiter / Project manager: i.A.

Stempel und Unterschrift / Seal and signature

Aufbauübersicht für Elektrogeräte und Maschinen
Data form for electrical equipment and machinery

TÜV PRODUCT SERVICE

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Page 3 of 3

Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen)
(Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen .....)
Safety relevant components: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e.g. transformers, coils)
(emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers .....)

Bauteil/ Kind of component	Hersteller/ Manufacturer	Angaben über Typ, Stromstärke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/ Information about type, current, power, transformer specification number, insulating class	Prüfzeichen von Test mark from (VDE, BSI, UL etc.)
16. Massaging motor	Sun Micro Motor Technology Ltd.	S260S-12330-45RC/BNP-ZTVL-08, DC 12V	No (Test with appliance)
16. Interconnection cord for massaging motor	ZHENJIANG HUAYIN INSTRUMENT & ELECTRICAL EQUIPMENT CO LTD	SVT	UL (E199812)
17. Massaging mattress	Shanghai Jiugong Industry Co., Ltd.	JGM1000: 1400x500x60 JGM2000: 1400x500x60 JGM3000: 1900x600x60	No (Test with appliance)
18. Nameplate			

Massage mattress
Model: JGM1000
230V ~ 50Hz 40W
Shanghai Jiugong Industry Co., Ltd.

Massage mattress
Model: JGM2000
230V ~ 50Hz 40W
Shanghai Jiugong Industry Co., Ltd.

Massage mattress
Model: JGM3000
230V ~ 50Hz 40W
Shanghai Jiugong Industry Co., Ltd.

Prüfbericht Nr. / Test Report No.: 70.401.06.564.02	Ort/ place: Shanghai	Datum/ date: December 20, 2006
Projektleiter / Project manager: i.A.	Stempel und Unterschrift / Seal and signature	

TÜV

Certificate

The Certification Body of
TÜV Rheinland Product Safety GmbH

hereby certifies that the organization

Shanghai Jiugong Industry Co., Ltd.
No. 68 Lane 3100, Gudai Road,
Shanghai 201100,
China

has established and applies a quality management system for medical devices for the following scope:

Manufacturing and Sales of Massagers

Proof has been furnished that the requirements specified in

EN ISO 13485:2003

Gesehen/Reviewed Shanghai 21.

TÜV Product Safety GmbH

are fulfilled. The quality management system is subject to yearly surveillance.

Certificate Registration No.: **SX 60014045 0001**

An audit was performed. Report No.: **15015061 001**

This Certificate is valid until: **2011-03-08**

Certification Body

Akkreditiert durch
Zentralstelle der Länder
für Gesundheitsschutz
bei Arzneimitteln
und Medizinprodukten
ZLG-ZQ-995.00.01-46

Cologne, 2006-03-09

Dipl.-Ing. D. Meier

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln
Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: cert-validity@de.tuv.com http://www.tuv.com/safety

TÜV

TÜV Rheinland
Product Safety GmbH
Am Grauen Stein, D-51105 Köln

CERTIFICATE

for a

Quality Management System

according to

EN ISO 9001:2000

TÜV Rheinland Product Safety GmbH hereby certifies that the

Organization: Shanghai Jiugong Industry Co., Ltd.
No. 68 Lane 3100,
Gudai Road,

Shanghai 201100,
China

Geprüft/Reviewed
Shanghai
TÜV Product Safety GmbH

has established and maintains a quality management system. Conformance with the requirements of the standards has been audited.
The organization is subject to a yearly surveillance audit.

Registration No.: SY 60014191 0001
Report No.: 15015061 001

Date of expiry: 08.03.2011
Scope: see attachment

Certification Body

Cologne, 09.03.2006

Dipl.-Ing. D. Meier

TÜV

Doc. 1/1, Rev. 0

TÜV Rheinland
Product Safety GmbH
Am Grauen Stein, D-51105 Köln

Attachment to
Registration No.: SY 60014191 0001
Report No.: 15015061 001

Organization: Shanghai Jiugong Industry Co., Ltd.
No. 68 Lane 3100,
Gudai Road,

Shanghai 201100,
China

Scope: Manufacturing and Sales of
Massagers and toilet-assisting Chair

Gesehen/Reviewed
Shanghai
TÜV Product Safety GmbH

Cologne, 09.03.2006

Dipl.-Ing. D. Meier

MATREX

www.idrocontrol.com

DICHIARAZIONE DI CONFORMITA'
DECLARATION OF CONFORMITY

CE

Il fabbricante: **MATREX S.r.l.**
Manufacter Name: **Via Mareno, 79**
31025 S. Lucia di Piave (TV) Italy

Prodotto: **Amplificatore audio**
Product: **Audio amplifier**

Modello: **01502313**
Model:

Il modello sopra indicato è in conformità con i seguenti standards o altre normative:
To which this declaration relates is in conformity with the following standards or other normative documents:

Direttiva di bassa tensione: 73/23 CEE del 19 febbraio 1973 - **93/68 CEE** del 22 luglio 1993
Low Voltage Directive: 73/23 EEC February the 19th 1973 – **93/38 EEC** July the 22th 1993

Norme applicate: **EN 60335-1:1982**
Applicable norms: **EN 60335-2-60:1994**

Direttiva di compatibilità elettromagnetica (EMC): 89/336 del 3 maggio 1989
Electromagnetic Compatibility directive (EMC) 89/336 EEC May the 3rd 1989

Norme applicate: **EN 55014-1:1993; EN 55014-2:1993**
Applicable norms: **EN 61000-3-2:1995; EN 61000-3-3:1995**

Il sottoscritto dichiara che il materiale di cui sopra è interamente conforme alle direttive CEE 73/23 – 93/68 – 89/336
The undersigned hereby declares that the above mentioned goods are entirely in conformity to the ECC rule 73/23 – 93/68 –89/336

S. Lucia di Piave, 27/10/2008
Il – Date

Firma – Signature

Miotto Ladis
Cognome/nome – Surname/name

Amministratore unico – Managing director
Funzione – Position

MATREX S.R.L. Via Mareno, 79 31025 S. LUCIA di P. (TV) ITALY TEL. +390438460544 FAX +390438468252

HI – FI Audio Amplifier & Power Supply - RoHS Declaration of Conformity

www.idrocontrol.com

DICHIARAZIONE DI CONFORMITA' ROHS
direttiva 2002/95/CE e successive

Il fabbricante: **MATREX S.r.l.**
Via Mareno, 79
31025 S. Lucia di Piave (TV) Italy

Prodotto: **Amplificatore audio**
Audio amplifier

Modello: **01502313**

Il sottoscritto dichiara che il materiale di cui sopra è interamente conforme alle direttive RHOS, direttiva 2002/95/CE e successive.

S. Lucia di Piave, 27/10/2008
Il – Date

Firma – Signature

Miotto Ladis
Cognome/nome – Surname/name

Amministratore unico – Managing director
Funzione – Position

MATREX S.R.L. Via Mareno, 79 31025 S. LUCIA di P. (TV) ITALY TEL. +390438460544 FAX +390438468252

HI – FI Audio Amplifier & Power Supply – Features & Safety Approvals

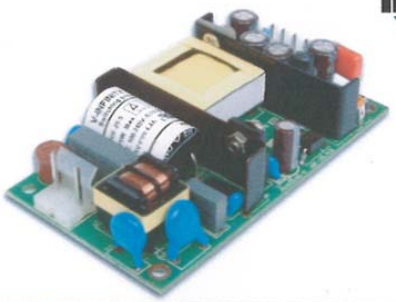
V·INFINITY

VOF-25 Switching Power Supply

Rev. 07-2007

Features

- RoHS Compliant
- Universal input 85~264 Vac
- Output over-current protected
- Output over-voltage protected
- Industry standard foot-print
- Efficiency up to 82%
- Safety approved to TUV, CE; UL/cUL
- Conducted EMI meets EN55022 class B and FCC class B



Model	Voltage (V)	Current (A)	Total [1,2] Regulation	Ripple & Noise[3] (mVp-p max)	Efficiency (%)
VOF-25-3.3	3.3	4.4	±5%	50	70
VOF-25-5	5	4.4	±5%	50	73
VOF-25-7.5	7.5	3.0	±5%	75	73
VOF-25-9	9	2.7	±5%	90	77
VOF-25-12	12	2.0	±5%	120	80
VOF-25-15	15	1.6	±5%	150	80
VOF-25-24	24	1.0	±5%	240	82

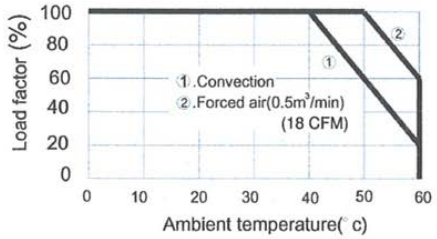
Notes:

1. Measured from High Line to Low Line at Full load.
2. Measured from Full load to 10% load at 110 VAC.
3. Ripple & Noise measured at 20 MHz BW, with a 0.1 µF ceramic cap and a 10 µF electrolytic cap on the output and two earth ground pads are connected to input earth ground.

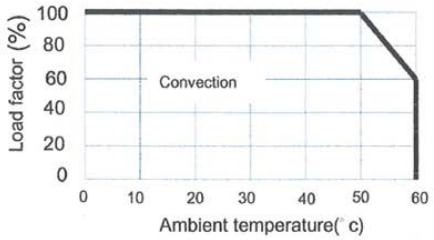
Derating Curves

1. Output Power vs. Ambient temperature

a. 3.3 V and 5 V models

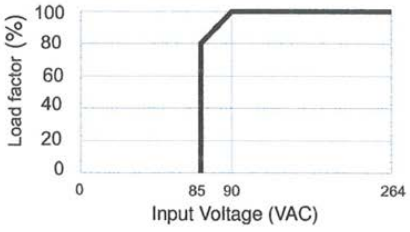


b. All other models



2. Output Power vs. Input Voltage

All Models



V-INFINITY LLC, 9615 SW Allen Blvd., Suite 103, Beaverton, OR 97005 1-866-372-1258 www.v-infinity.com

HI – FI Audio Amplifier & Power Supply – Features & Safety Approvals

V·INFINITY

VOF-25 Switching Power Supply

Rev. 07-2007

Input

Parameter	Conditions/Description	Min	Nom	Max	Units
Input Frequency		47		63	Hz
Input Voltage	Output power derated from 85-90 VAC	85		264	VAC
Input Current	AC Input of 110 VAC		700		mA
	AC Input of 210 VAC		350		mA
Inrush Current	Measured at 110 VAC at full load, cold start			20	A
	Measured at 220 VAC at full load, cold start			40	A
Input fuse	Built-in, non-user serviceable.				

Output

Parameter	Conditions/Description	Min	Nom	Max	Units
Efficiency	See table above. Typical values measured at 115 VAC, full load.				
Hold up time	At 115 VAC, full load	16			mS
Adjustability	Adjustable with built-in trim pot.	- 5		+5	%
Temp. Coefficient		-0.05		+0.05	%/°C

Protection Circuit

Parameter	Conditions/Description
Overload	Current limiting starts at 105% of the rated output current and recovers automatically.
Output Over-voltage	Output voltage is limited to 115% by TVS clamping.
Short Circuit	Protected. Long term short circuit may reduce reliability.

General and Safety

Parameter	Conditions/Description	Min	Nom	Max	Units
Operating temp.	See derating curves.	0		50	°C
Storage temp.		-20		85	°C
Operating humid.	Non-condensing	20%		90%	RH
Storage humid.	Non-condensing	20%		95%	RH
Operating altitude				3,000	m
				10,000	ft
Storage altitude				9,000	m
				30,000	ft
EMI	Conducted emissions comply with FCC class B, EN55022 class B				
Safety	Approved to TUV EN60950, CE, CB; UL/cUL 60950-1				
RoHS	2002/95/EC				
Leakage Current	Per EN60950, 264 VAC			1.5	mA
Isolation Voltage	Applied for 1 minute.				
(HI-POT)	Primary to secondary:	3000			VAC
	Primary to transformer core:	1500			VAC
	Primary to earth ground:	1500			VAC
Insulation Resistance	Measured at 500 VDC, at room temp.	50			MΩ
MTBF (@ 25°C)	MIL-HDBK-217F	250K			hours
Warranty	Standard Warranty Length			2	years

V-INFINITY LLC, 9615 SW Allen Blvd., Suite 103, Beaverton, OR 97005 1-866-372-1258 www.v-infinity.com

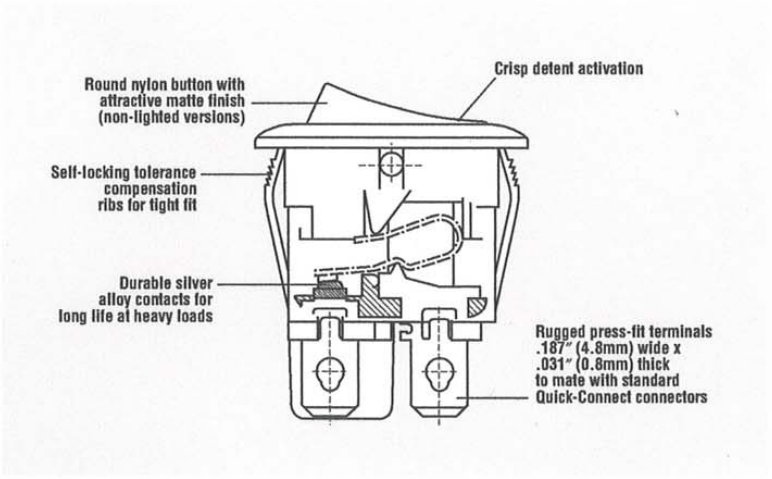
HI – FI Audio Amplifier & LED System Switch – Features & Ratings

ROUND ROCKER SWITCH

RR Series

Features

- Single-pole and double-pole configurations
- Lighted and non-lighted options
- Available in a wide variety of colors
- High current switching in a compact round package
- Self-locking tabs to fit industry-standard panel cut-outs
- Mechanical life: min. 100,000 operations


Round nylon button with attractive matte finish (non-lighted versions)
Crisp detent activation
Self-locking tolerance compensation ribs for tight fit
Durable silver alloy contacts for long life at heavy loads
Rugged press-fit terminals .187" (4.8mm) wide x .031" (0.8mm) thick to mate with standard Quick-Connect connectors

Electrical Ratings

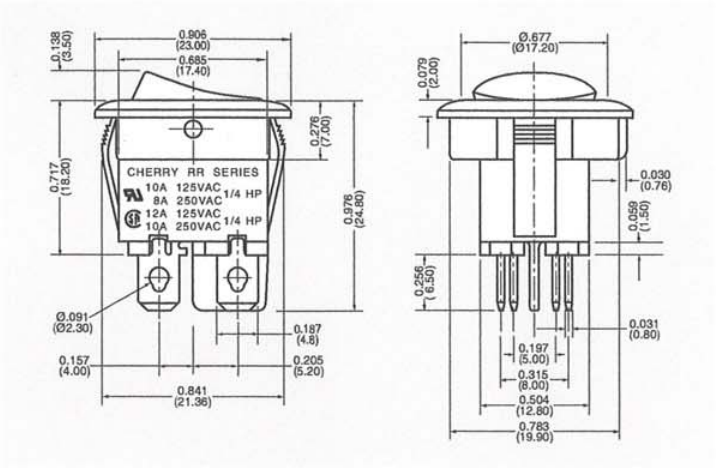
Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load According to VDE (Min. Operations)	According to UL (Min. Operations)
RR	10(4)A, 250V~, μ T125/55	10A, 125VAC; 8A, 250VAC, 1/4 HP; 125/250VAC	10,000	6,000

Specifications

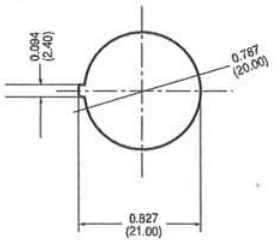
Electrical	
Dielectric Strength:	1000VAC for 1 minute
Insulation Resistance:	10^8 ohms min at 500VDC
Initial Contact Resistance:	.020 ohms max
Temperature Range:	-20°C to +85°C
Materials	
Actuator (non-lighted):	Nylon 66 94V-2
Actuator (lighted):	Polycarbonate
Base:	Nylon 66 94V-2
Contacts:	Silver Alloy
Movable Arm:	Copper Alloy
Terminals:	Tin-Plated Copper Alloy

CHERRY

Dimensions inches (mm)



Panel Cut-Out Dimensions for Panel Thickness inches (mm) 0.039 to 0.078 (1.0 to 2.0)



Examples of Common Part Numbers and Descriptions inches (mm)

Part Number	Circuitry	Switch Function	Terminal Type	Actuator/ Housing Color	Legend Marking
RRA22H3BBBNN		On – Off	0.187 (4.8) Quick-Connect	Black/ Black	
RRA32H3FBBNN		On – Off	0.187 (4.8) Quick-Connect	Black/ Black	
RRA22H3BWWNN		On – Off	0.187 (4.8) Quick-Connect	White/ White	
RRA22H3FBRNN		On – Off	0.187 (4.8) Quick-Connect	Red/ Black	
RRA22H3BBRLN		On – Off/Lighted	0.187 (4.8) Quick-Connect	Red/ Black	
RRA32H3BBRLN		On – Off/Lighted	0.187 (4.8) Quick-Connect	Red/ Black	

Ordering Information

RR **A** **2** **2** **H** **3** **F** **B** **B** **N** **N**

Series

Code	Contact Rating
A	10A, 125VAC; 8A, 250VAC; 1/4HP, 125/250VAC (UL) 12A, 125VAC; 10A, 250VAC; 1/4HP, 125/250VAC (CSA) 10(4)A, 250V~, µT125/55 (VDE)

Code	Circuitry
2	Single-Pole
3	Double-Pole

Code	Switch Function
2	On – Off

Code	Terminal Type inches (mm)
H	0.187 (4.8) QC
L	PC Thru-Hole Right Angle
M	PC Thru-Hole Straight

Code	Actuator Type
3	Round

Code	Actuator Marking
B	Blank
D	OFF ON
E	O I
F	O –
G	•

Code	Housing Color
B	Black
W	White
Y	Grey
C	Brown
E	Charcoal Grey

Code	Actuator Color
B	Black
G	Green
A	Amber
R	Red
W	White
Y	Grey
C	Brown
E	Charcoal Grey

Code	Lighted
N	Non-Lighted
L	Lighted (Bulb 125VAC)
E	Lighted (Bulb 250VAC)
G	Lighted 6VDC Incandescent
H	Lighted 12VDC Incandescent

Code	Body Type
N	No Splashproof Rocker Boot

Specifications subject to change without notice.

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Plumbing Fixture Fittings – IAPMO Declaration of Conformity

IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org

LISTED PRODUCTS

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: February 2009 -Rev. 7/6/2009- Void After: February 2010

Product: Plumbing Fixture Fittings File No. 5526

Issued To: Gamox Rubinetterie Srl
Via Dell'impresa 21/23
Castigilone Delle Stiviere
Mantova 46043,
Italy

IDENTIFICATION: Each fitting shall bear permanent legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. The product shall also bear all other markings required by the standard. The marking shall be located where it can be readily seen after installation is complete. The product shall also bear the cUPC® certification mark.

CHARACTERISTICS: Fittings may include lavatory, sink, bath & shower, lawn and sediment faucets. To be installed in accordance with the manufacturer's instructions and the requirements of the latest edition of the Uniform Plumbing Code.

Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code®. Models listed to the National Plumbing Code of Canada and Relevant Canadian Standard(s) shall bear the cUPC mark of conformity. Manufactured in compliance with ASME A112.18.1-2005/CSA B125.1-05.

Chairman, Product Certification Committee

Senior Director of R&T

This listing is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alternation of this certificate could be grounds for revocation of the listing.

DOC#081A

Washbasin Vitreous China Composition – Manufacturer's Declaration of Conformity

olimpiadue®

PORCELLANE OLIMPIA DUE srl PROGETTAZIONE E PRODUZIONE LAVATESTA PER PARRUCCHIERI
Sede legale Via Statale Marecchia 53 - 47827 Villa Verucchio (RN) - Tel. 0541 679642 - Fax 0541 679814
e-mail: olimpiadue@interfree.it

The undersigned Marco Lazzari as director and owner of the company "Porcellane Olimpia Due s.r.l." with head office in Verucchio, Fraz. Villa Verucchio Via Statale Marecchia n. 53 VAT number IT02386900407,

DECLARES

that the washbasins that we produce are comparable in composition to washbasins for bathrooms and toilette, that they are made of vitreous-china (enamels porcelain), that the baking process reaches 1.280 degrees Celsius and that they are no toxic products.

November 05, 2009

Porcellane Olimpia Due s.r.l.